

0590  
0308

OIPE

ENTERED

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/071,766

DATE: 03/04/2002

TIME: 15:25:01

Input Set : A:\pa0043\_seq.txt

Output Set: N:\CRF3\03042002\J071766.raw

```

1 <110> APPLICANT: Huei-Mei Chen
3 <120> TITLE OF INVENTION: GENES EXPRESSED IN SENESCENCE
5 <130> FILE REFERENCE: PA-0043 US
C--> 7 <140> CURRENT APPLICATION NUMBER: US/10/071,766
C--> 8 <141> CURRENT FILING DATE: 2002-02-07
10 <160> NUMBER OF SEQ ID NOS: 144
11 <170> SOFTWARE: PERL Program
13 <210> SEQ ID NO: 1
14 <211> LENGTH: 425
15 <212> TYPE: DNA
16 <213> ORGANISM: Homo sapiens
18 <220> FEATURE:
19 <221> NAME/KEY: misc_feature
20 <223> OTHER INFORMATION: Incyte ID No: 255161.1
22 <400> SEQUENCE: 1
23   gctgtaaaaa gctttatttc catttggctc aaggcctggg agagggctct agagttggtt 60
24   taaaaaagct gcctagtggc tggagggaga ggcttaggca gagcggggct cttcagatgt 120
25   cgctgggttc ggtaggctcc cgtgtgctg aggggtgaacc tttttgccca gcccggcctg 180
26   gaggcgggct ggccgtgtgaa ggttggtcag gtggtcacct atcttcttga tgagttttac 240
27   tttttcatct aggaagtggc tctccaggaa gtcacagata tgggggtctg tgcaggtgga 300
28   acccaaggca tgaagatcca aaagggtcca gttcagggtt ttctccaggg ccagagtgc 360
29   ttccatcgca cccagggttt taccctatc atctttacat ggcttctgga tgtccgggaa 420
30   gacag                                     425
32 <210> SEQ ID NO: 2
33 <211> LENGTH: 730
34 <212> TYPE: DNA
35 <213> ORGANISM: Homo sapiens
37 <220> FEATURE:
38 <221> NAME/KEY: misc_feature
39 <223> OTHER INFORMATION: Incyte ID No: 093839.1
41 <220> FEATURE:
42 <221> NAME/KEY: unsure
43 <222> LOCATION: 6
44 <223> OTHER INFORMATION: a, t, c, g, or other
46 <400> SEQUENCE: 2
W--> 47   cttttntgca acatgtaaac aacttcatcc ttttgaaaat cgggtccagg tagtaaaagc 60
48   tggcagtgat ttatgctgac cgggcttaga gctcctcata tgcatatata aaatacctct 120
49   gggctctgcg gggcttctta aagaactacg ttagttctgc tccttccacc ttcttctca 180
50   ccctgcgttg ctgacatac tgaagtggcc gcgagaggaa ggagcaggat gtggagccat 240
51   ctggagccgg gcagggttaag cacaggacaa gcatctgctg gaaactttgc agagatatct 300
52   agtgcgctga ttactgtcc tttggggagt ccatgtacag aaccagatt catgaggaag 360
53   ccggcatctg gcaaagggtg gggtagacaa ttgtgcttga ttatcaggac atatgataaa 420
54   tctgtctagg cgtgtactct gtgccagatt gtggatttct tatttggccc gcatcagccg 480

```

## RAW SEQUENCE LISTING

DATE: 03/04/2002

PATENT APPLICATION: US/10/071,766

TIME: 15:25:01

Input Set : A:\pa0043\_seq.txt

Output Set: N:\CRF3\03042002\J071766.raw

```

55  tctgccagca aagcaatata aaagtgtcac aacaacaaac aaacaacaaa catgccaaaa 540
56  aaacctagac ttagcatagt gatatacaaaa tatacagagt caccttgaaa taaaacagtg 600
57  gtggaggtgt tggcagagga aggaagggaa gtgatattgt aaaaggtatt tgactaacag 660
58  ggcagtgggc gttgttagct ttgatgcata ctcatgtact ccacagaaaa cacaagactc 720
59  tatctcaaaa                                     730
61 <210> SEQ ID NO: 3
62 <211> LENGTH: 1066
63 <212> TYPE: DNA
64 <213> ORGANISM: Homo sapiens
66 <220> FEATURE:
67 <221> NAME/KEY: misc_feature
68 <223> OTHER INFORMATION: Incyte ID No: 334103.1
70 <220> FEATURE:
71 <221> NAME/KEY: unsure
72 <222> LOCATION: 47
73 <223> OTHER INFORMATION: a, t, c, g, or other
75 <400> SEQUENCE: 3
W--> 76  ctcacggtgg agcgccaaga gcagaaggca gggccgggca gccagangag gcggaagtgc 60
77  ctcaacctca gattcaggac aggtctcgga cagggccctt catcgacagg acagccaggc 120
78  aggggggttc agagtgggtt gggccgtgct tggggtcctg gaagagttgg ggccctgggg 180
79  tgatagcctc gaggagactg gggctgccac aggcagcagg agagaggaga gggcagaaca 240
80  ggatcgagaa gtgatgcctg ctcatagcat gccattgccc acagagctcg gtgacctag 300
81  actttgcgag ggaacccctc aggaaggggg actcagggca gccaggctcc atggaaagac 360
82  cctggagggg caggcacagg agacagcagt ggcccagagg aagcccaggg cccagccaac 420
83  tcctggaatg agccgggagg gtgaaggcga gggactgcag agcctggaaa tcgggatcgc 480
84  cagactgtcc ttgagagaca caaccgaagg aggcacacag attggcccac cagaaattag 540
85  ggtgcgagta cacgatttaa agacaccaaa atttgcattt tccacagaaa aagagccaga 600
86  aagagaaaag cgccttagta cccacacgca agggaagaga caggatgcgt cctcaaaagc 660
87  ggggtactgg cgtgaagggt aggaggtgga aggaagccgg tggatgccgg gcaggggaac 720
88  aaccacacat gcagaagcac agggggatga aggagatgga gaggaaggac tacagaggac 780
89  aaggatcact gaggaacagg acaagggcag ggaagacaca gaaggacaga taagaatgcc 840
90  caagttcaag ataccctcct taggatggtc gccaaagcaag cacacaaaga caggcagaga 900
91  aaaagccaca gaagacacag agcaggggag ggaaggagag gccacagcaa cagctgatag 960
92  aagagaacag agacgcacag aggaaggatt aaaagacaaa gaagacagtg actcaatgac 1020
93  aaacacaaca aaaatacaac taatacacga tgaaaaacgc ttaaaa 1066
95 <210> SEQ ID NO: 4
96 <211> LENGTH: 211
97 <212> TYPE: DNA
98 <213> ORGANISM: Homo sapiens
100 <220> FEATURE:
101 <221> NAME/KEY: misc_feature
102 <223> OTHER INFORMATION: Incyte ID No: 345043.1
104 <400> SEQUENCE: 4
105  cactactgag ttctagttct ctaaagacaa atactcatat ggtcaaaaca gaattataat 60
106  ctaacgagtc attcttatag agtgggattc gaggagggaa aacagatagc tagtaattta 120
107  aatgatctta atgtaatttg gggagaggat gatcagatga catttagact tggatatagt 180
108  ttctgcttca aaccacgct gtgtgtgtct g 211
110 <210> SEQ ID NO: 5
111 <211> LENGTH: 3034

```

## RAW SEQUENCE LISTING

DATE: 03/04/2002

PATENT APPLICATION: US/10/071,766

TIME: 15:25:01

Input Set : A:\pa0043\_seq.txt

Output Set: N:\CRF3\03042002\J071766.raw

```

112 <212> TYPE: DNA
113 <213> ORGANISM: Homo sapiens
115 <220> FEATURE:
116 <221> NAME/KEY: misc_feature
117 <223> OTHER INFORMATION: Incyte ID No: 1382838.5
119 <400> SEQUENCE: 5
120 gcttggtctcc cagctggtgc tgaagctcgt cagttcacca tccgccctcg gcttccgcgg 60
121 ggcgtctgggc cgcacagcctg cggcacccgc ctttcctttc tccctcgcgt taggcagggtg 120
122 acagcaggga catgtctcgg gagatgcagg atgtagacct cgctgagggtg aagccttttg 180
123 tggagaaagg ggagaccatc accggcctcc tgcaagagtt tgatgtccag gagcaggaca 240
124 tcgagacttt acatggctct gtacacgtca cgctgtgtgg gactcccaag ggaaaccggc 300
125 ctgtcatcct cacctacatc gacatcggca tgaaccacaa aacctgctac aacccccctc 360
126 tcaactacga ggacatgcag gagatcaccc agcaactttg cgtctgccac gtggacgccc 420
127 ctggccagca ggacggcgca gcctccttcc ccgcagggtg catgtacccc tccatggatc 480
128 agctggctga aatgcttcct ggagtccttc aacagtttgg gctgaaaagc attattggca 540
129 tgggaacagg agcaggcgcc tacatcctaa ctcgatttgc tctaaacaac cctgagatgg 600
130 tggagggcct tgtccttate aacgtgaacc cttgtgcgga aggctggatg gactggggccg 660
131 cctccaagat ctccaggatg acccaagctc tgccggacat ggtggtgtcc cacctttttg 720
132 ggaaggaaga aatgcagagt aacgtggaag tgggtccacac ctaccgccag cacattgtga 780
133 atgacatgaa ccccggaac ctgcacctgt tcatcaatgc ctacaacagc cggcgcgacc 840
134 tggagattga ggcagcaatg ccgggaaccc acacagtcac cctgcagtgc cctgctctgt 900
135 tgggtggttg ggacagctcg cctgcagtgg atgccgtggt ggagtgcac tcaaaattgg 960
136 acccaacaaa gaccactctc ctcaagatgg cggactgtgg cggcctcccg cagatctccc 1020
137 agccggccaa gctcgtgtag gccttcaagt acttctgtga gggcatggga tacatgccct 1080
138 cggctagcat gaccgcctg atgcggtccc gcacagcctc tggttccagc gtcacttctc 1140
139 tggatggcac ccgcagccgc tcccacacca gcgagggcac ccgaagccgc tcccacacca 1200
140 gcgagggcac ccgcagccgc tcgcacacca gcgagggggc ccacctggac atcaccccca 1260
141 actcgggtgc tgcctgggaac agcgcggggc ccaagtccat ggaggtctcc tgctaggcgg 1320
142 cctgcccagc tgccgcccc ggactctgat ctctgtatg gccccctcct ccccggtccc 1380
143 ttttcgcccc ctgcctgcca tactcgccct aactcgggat taatccaaag cttattttgt 1440
144 aagagtgage tctggtggag acaaatgagg tctattacgt gggtgccctc tccaaaggcg 1500
145 ggggtggcgt ggaccaaagg aaggaagcaa gcatctccgc atcgcatcct cttccattaa 1560
146 ccagtggcgc gttgccactc tccctcccct cctcagagac accaaactgc caaaaacaag 1620
147 acgcgtagca gcacacactt cacaaagcca agcctaggcc gccctgagca tccctggttc 1680
148 aacgggtgcc tggtcagaag gccagccgcc cacttcccgt ttcctcttta actgaggaga 1740
149 agctgatcca gtttcgggaa acaaaatcct tttctcattt ggggaggggg gtaatagtga 1800
150 catgcaggca cctcttttaa acaggcaaaa caggaagggg gaaaagggtg gattcatgtc 1860
151 gaggctagag gcatttggaa caacaaatct acgtagttaa cttgaagaaa ccgattttta 1920
152 aagttggtgc atctagaaag ctttgaatgc agaagcaaac aagcttgatt tttctagcat 1980
153 cctcttaatg tgcagcaaaa gcaggcaaca aaatctcctg gctttacaga caaaaatatt 2040
154 tcagcaaacg ttgggcatca tggtttttga aggttttagt tctgctttct gcctctcctc 2100
155 cacagcccca acctcccacc cctgatacat gagccagtga ttattcttgt tcaggagaga 2160
156 gatcatttag atttgttttg cattccttag aatggagggc aacattccac agctgccctg 2220
157 gctgtgatga gtgtccttgc aggggccgga gtaggagcac tggggtgggg gcggaattgg 2280
158 ggttactcga tgtaagggat tccttgttgt tgtgttgaga tccagtgcag ttgtgatttc 2340
159 tgttgatccc agcttggttc caggaatttt gtgtgattgg cttaaatcca gttttcaatc 2400
160 ttgcacagct gggctggaac gtgaactcag tagctgaacc tgtctgacct ggtcacgttc 2460
161 ttggatcctc agaactcttt gctcttgtcg ggggtggggg gggaaactcac gtggggagcg 2520
162 gtggctgaga aaatgtaagg attctggaat acatattcca tgggaacttc cttccctctc 2580

```

## RAW SEQUENCE LISTING

DATE: 03/04/2002

PATENT APPLICATION: US/10/071,766

TIME: 15:25:01

Input Set : A:\pa0043\_seq.txt

Output Set: N:\CRF3\03042002\J071766.raw

```

163 ctgcttcctc ttttctgct ccctaacctt tcgccgaatg gggcagcacc actgacgttt 2640
164 ctgggcggcc agtgcggtg ccaggttcct gtactactgc cttgtacttt tcatttttggc 2700
165 tcaccgtgga ttttctcata ggaagtttgg tcagagtga ttgaatattg taagtcagcc 2760
166 actgggaccc gaggatttct gggaccccg agttgggagg aggaagtagt ccagccttcc 2820
167 aggtggcggt agaggcaatg actcgttacc tgccgcccac caccttggag gccttccctg 2880
168 gccttgagta gaaaagtcgg ggatcggggc aagagaggct gactacggat gggaaactat 2940
169 tgtgcacaag tctttccaga ggagtttctt aatgagatat ttgtatttat ttccagacca 3000
170 ataaatttgt aactttgcaa aaaaaaaaaa aagg 3034

```

172 &lt;210&gt; SEQ ID NO: 6

173 &lt;211&gt; LENGTH: 595

174 &lt;212&gt; TYPE: DNA

175 &lt;213&gt; ORGANISM: Homo sapiens

177 &lt;220&gt; FEATURE:

178 &lt;221&gt; NAME/KEY: misc\_feature

179 &lt;223&gt; OTHER INFORMATION: Incyte ID No: 403456.3

181 &lt;400&gt; SEQUENCE: 6

```

182 cctattcctt gtaactgcaa agtcctatcc ccatcaggac ttctaataca ttgtcaggag 60
183 cgcaacattg aaagcttata agatctgaga cctcctccgc aaaatcctag aaagctcatt 120
184 ctgagcggaa atattattca cagttaatg aagctctgac tagtggaata tttcactttg 180
185 gaaatgcttc acttgggaaa caatcgatg gaagttcttg aagaaggatc gtttatgaac 240
186 ctaacgagat tacaaaaact ctatctaaat ggtaaccacc tgaccaaatt aagtaaaggc 300
187 atgttccttg gtctccataa tcttgaatac ttatatcttg aatacaatgc cattaaggaa 360
188 atactgccag gaacctttta tccaatgcct aaacttaag tcctgtattt aaataacaac 420
189 ctctccaag ttttaccacc acatattttt tcaggggttc ctctaactaa ggtaaactct 480
190 aaaacaaacc agtttaccca tctacctgta agtaatatgt tggatgatct tgatttacta 540
191 acccagattg accttgagga taacccttgg gactgtcctc gtgacctggt tggac 595

```

193 &lt;210&gt; SEQ ID NO: 7

194 &lt;211&gt; LENGTH: 4573

195 &lt;212&gt; TYPE: DNA

196 &lt;213&gt; ORGANISM: Homo sapiens

198 &lt;220&gt; FEATURE:

199 &lt;221&gt; NAME/KEY: misc\_feature

200 &lt;223&gt; OTHER INFORMATION: Incyte ID No: 1330204.22

202 &lt;220&gt; FEATURE:

203 &lt;221&gt; NAME/KEY: unsure

204 &lt;222&gt; LOCATION: 3145-3168

205 &lt;223&gt; OTHER INFORMATION: a, t, c, g, or other

207 &lt;400&gt; SEQUENCE: 7

```

208 cgcagtgtgc tggacagtgc attctctcct tcttggtgtg gacgtcattg gtttgtcatg 60
209 gcttagtttt gcctgcctgg aaaatgggga agttaggcca ggcgggaact ctgcaaggat 120
210 gcagaggaag ttaagaggga aagttgcttt gagaggagga cactgggagg ggtgggagtg 180
211 gctcctgagg gcggtgatag gcaggcaggc ctgacttgct cacagctcac cggaggccac 240
212 cttggcagca cctgtaggaa gggcatgtct ggcctccaca ccagccccct cctctctcac 300
213 catttccccct tcaatagcac cactctcatc atctatgggg gacagtgtct tcttctctcc 360
214 ctgcctcctc catcaaaatc ttttctcagg ggaggggtctg aaaaggcctt cactcccccg 420
215 taaataacga atggtgctta cagggtctgg ctcccacgtg catgcacatt aacaccaaag 480
216 gtgctgtagt gaatggaatt ggggcactga ggggaaggcg tggaggtgtg gtaggaactt 540
217 gtgctggttg gggatgggag ccgtagatat cctttacacc atggtactcc ccctatctcc 600
218 tctgggggtga ccctgagtat cctctgtggg acaccggcat cctgtgaggc gccctccttg 660

```

## RAW SEQUENCE LISTING

DATE: 03/04/2002

PATENT APPLICATION: US/10/071,766

TIME: 15:25:01

Input Set : A:\pa0043\_seq.txt

Output Set: N:\CRF3\03042002\J071766.raw

```

219  tcccacattt gagcgctgcg ctggctcgag ggtcacattc acggtctgtg acagaggaag 720
220  caggggtgac cgccgcagtc ctccctctgc tccccttgcc gagtcacgtg tcacgaagag 780
221  caaactgagc aaactgagct gcgcagatga ggggagactc gtcaccaggc cgtgcagtgg 840
222  gcactgctgg gctcccccat cccgtcctaa cccggaacag ccccgggcag gaggcgtgga 900
223  aagtcgaggg ggtaaaccgc gaatgtgctg tgtgtaagcc acggcgcgag gtggggcgcg 960
224  ggcgggactt gggcgggcgg ggtgggcttg gccgagctgg cctccggggc accgaccgct 1020
225  ataaggccag tcggactgcg acacagccca tcccctcgac cgctcgcgctc gcatttggcc 1080
226  gcctccctac cgctccaagc ccagccctca gccatggcat gccccctgga tcaggccatt 1140
227  ggctcctctg tggccatctt ccacaagtac tccggcaggg agggtgacaa gcacaccctg 1200
228  agcaagaagg agctgaagga gctgatccag aaggagctca ccattggctc gaagctgcag 1260
229  gatgctgaaa ttgcaaggct gatggaagac ttggaccgga acaaggacca ggaggtgaac 1320
230  ttccaggagt atgtcacctt cctggggggc ttggctttga tctacaatga agccctcaag 1380
231  ggctgaaaat aaatagggaa gatggagaca ccctctgggg gtcctctctg agtcaaattc 1440
232  agtggtggtt aattgtacaa taaatttttt ttggtcaaat ttaaactttt tacatatgat 1500
233  acattccaaa ttttacaagt tgtccacaga tattaaagtt atagccaatt tattaaacag 1560
234  atatgatttt ccctgatatg gaaagcgtat gttatataaa catttctaca ataaacataa 1620
235  aacatgcgga acaaatcata aaactaacat gatttgtaag gtaggaaaga caactagctt 1680
236  aacaccagaa aataaaaagg tgtgtatgtt gcaatttcat gtaaatcatc cttctcccag 1740
237  gctctgtgat attctcagag aatgaaatcc agagacaacc tttgctaact ccaggctcct 1800
238  aggaagtcgg accggaagc tggagtattg ttatgatttg gtgaaaatgt ttataatcca 1860
239  cttgtagaga gagaaacctg gtcttattat tttaaatttt agcttgggtg acatatgaaa 1920
240  aaaagccaaa agaagcttac cttaaaagct aaagaaactg gatgtgacag aggccaaaat 1980
241  aaacatgaat tatgccacct acagcccaaa caaccagatc ttatgaatga aggccagaaa 2040
242  aagggggaga gaggtggact caaatgtgaa ttttctttct attggtcctc ctctcagctg 2100
243  ggtgagtcag tcccacgcaa gaatggcgac ggtcatcctc ctgtcaagag ggggcggttc 2160
244  ttccacacac taccttgtag aggaatgtgg cttctacatc ctcaactctt ttagcttcag 2220
245  ttccagattt ctgaccttct tctgttgata ctgtggagca tgcctagtgt actggtagct 2280
246  gagtggaaca aaacttgtag atgtaattca aagaaaactg attgaaaggg tcagttgcat 2340
247  tggttaaaaa aatccaagag cctcttatta ctcatctgtt ccttagcccc accttagaca 2400
248  ggctcagaat ttattcctct actaagtctt cagtcactct ctgcatgtat tcaagctctc 2460
249  agcagtcata catcaaacia tagtagttgt gtggtacata ataattataa gctattttgt 2520
250  aagtggctct tgttctagga aggcacctca gtaagaacia tgatcaaaaa gaataaaaag 2580
251  cctgggtgac agaccatccc aggaatgcac taagttagcc agcaaggaag cagcagcttg 2640
252  tctgttccag gaaatgctgg ctgggtggga gcggttctc accttcttca gtgtttggct 2700
253  ttagatgata tactctgcca atttagcctt agaaataaca agagaatata actgtctgaa 2760
254  acattagggg attctaaaag aatacagata agaaaattag gatactcttt tagaatacct 2820
255  attattttaa acttaagctt ggtgaacatc tgaaaaaaag ccaaaagaag cttaccttaa 2880
256  aagctcaaga aactggatgt gacagagggc aaaataaata tcacttatgc caaccacagc 2940
257  ccaacaacac agatcttatg aaggaaggcc tctcatctag atattagga atctaaaaga 3000
258  atatcctaaa tttttaatcc atattctttt agaatacctt aatttttctt cctaattcta 3060
259  aaagaatata ctaatttttt agaccatcct aagttttttg aaagccctct aagtgagttt 3120
W--> 260  tctcaaagcc caaaagtctt gccnnnnnnn nnnnnnnnn nnnnnnnnc tctaacagcc 3180
261  ctgaaaaacc agccagcaca ccaggaatcc accttctccc cacgggcttc ttctgcatgt 3240
262  gtgtcccca actctctcat agtcaatgga gagaaggga cactgccttc aaaatcaacc 3300
263  actttgctcc taggagtagg gtcctgtcag cagaggggac accaaccag tcccagtgtt 3360
264  gggccactca gtggaaccag gaagtatgac ccaacagacc acagagactt tgttccctgc 3420
265  ctccgttgag tcagcttcgg acccacgggt cactatcatc aataacgtga aatatcacat 3480
266  aatggctggg actatgcagt cagaccccca caaaggggct gggatccaat ctagggaagag 3540
267  aagctccttg ctcgatctta aaaccaaga cattatattt gaggggcaca gcaaacagtg 3600

```

→ Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/071,766

DATE: 03/04/2002

TIME: 15:25:02

Input Set : A:\pa0043\_seq.txt

Output Set: N:\CRF3\03042002\J071766.raw

L:7 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:8 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:47 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:76 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:260 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
L:335 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8  
L:336 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8  
L:337 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8  
L:338 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8  
L:339 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8  
L:358 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8  
L:505 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13  
L:506 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13  
L:634 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16  
L:727 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19  
L:733 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19  
L:925 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25  
L:950 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26  
L:1157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30  
L:1158 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30  
L:1307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33  
L:1308 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33  
L:1309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33  
L:1437 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35  
L:1450 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35  
L:1570 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37  
L:1938 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42  
L:2088 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44  
L:2292 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48  
L:2293 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48  
L:2294 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48  
L:2734 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52  
L:2851 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53  
L:2871 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54  
L:2872 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54  
L:2876 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54  
L:2937 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56  
L:2997 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57  
L:3008 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57  
L:3009 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57  
L:3010 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57  
L:3011 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57  
L:3012 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57  
L:3064 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58  
L:3084 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59  
L:3233 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62  
L:3678 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73  
L:3679 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/071,766

DATE: 03/04/2002

TIME: 15:25:02

Input Set : A:\pa0043\_seq.txt

Output Set: N:\CRF3\03042002\J071766.raw

L:3764 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74  
L:3786 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74  
L:3804 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75  
L:4140 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83